

WARDS POWR-KRAFT WOODWORKING TOOLS



Cover Design Cut in Wood with Wards POWR-KRAFT Tools

MONTGOMERY WARD

CHICAGO • KANSAS CITY • ST. PAUL • BALTIMORE • ALBANY • DENVER • PORTLAND • OAKLAND • FT. WORTH

THE MOST PROFITABLE "MAKING THINGS"



ABOVE: Bill Oswald's home workshop. Top: Goshen, Ind., completely equipped with Wards POWR-KRAFT Woodworking Tools. RIGHT: Mr. Oswald's garden, beautified by the novelties made in his shop. 6000 people have paid to go through his Garden on one weekend!



STARTED A HOBBY . . . Now Has Paying Business!

Mr. Oswald writes: "I originally bought a complete line of POWR-KRAFT tools as a hobby, but after seeing the speed and accuracy and low overhead with which various items could be made, I decided to go into the business of making specialties. Now, nearly Superintendent in a large gasoline engine plant and have consequently had some experience with machinery. I do not believe that anyone can ask too much for POWR-KRAFT tools. Am well pleased with them and can see where they are more adaptable to the craftsman's uses than hammers, more cumbersome tools." J. W. Oswald, Goshen, Indiana



Bought a Piece at a Time

"Bought POWR-KRAFT tools a piece at a time to make brieft-a-brac, trays and other items for sale. Now have biggish shop anyone could want and have made money. Recommend your tools to everyone." GERNIE SMITH, Warsaw, Indiana



A Profitable Pastime

"The use of modern power equipment such as your POWR-KRAFT Tools makes possible the accurate and speedy restoration of antique furniture. I have found a pleasant and profitable pastime in such work." ALEX. MAXWELL, Chicago, Illinois

THERE'S hardly a man who has not cherished from boyhood the desire to possess a "workshop" of his own! Just a few simple tools, perhaps, and an out-of-the-way corner was all he asked, to give free reign to that urge to "make something"!

How fortunate he is today! Such wonder-working tools are available instead! Tools making possible and making easy, in his own home, every woodworking operation! And Wards bring them all priced comfortably within his reach.

A Hobby You Can Turn to Profit!

A great many men use their home workshop to combine pleasure with profit. An almost unlimited variety of useful and decorative articles are being made and sold, depending entirely upon the ingenuity and skill of the individual.

They capitalize on the consistent demand for bric-a-brac, tables, cabinets, lawn furniture and ornaments, jig-saw puzzles, magazine racks, bird houses and similar specialties. Particular skill and originality has often enabled shop owners to earn more this way than on their regular jobs.

And then, there's the always present repair work and special orders that many shop owners find it profitable to solicit and handle. The pictures and letters on this page tell of profitable uses to which POWR-KRAFT equipment has been put.

The True "Man's Hobby"

Home Craftsmanship is "doing something worth while" in your spare time! Here any man may find complete escape from the monotony of office and factory—use his imagination in the thrill of actual creative work! Few men do not have an inborn love of fine tools, and a real desire to try their hands at making things. *Only in this hobby do they find an opportunity to accomplish so much in so little time!* Electric tools do in minutes those tedious tasks that formerly took hours—and help you do them better and more accurately.

Although commodity prices are rising as this book goes to press, we will maintain these low prices as long as our stocks last. We believe our stocks are ample. Should unusual buying exhaust our stocks, however, it will be necessary for us to base our new prices on replacement costs. The time to buy is now—while these savings are assured.

OF ALL HOBBIES

in a workshop of your own

THE greatest of all pleasures for the "handy man" or the professional worker in wood—possessing fine tools—is enjoyed by every POWR-KRAFT owner. Their fine high quality and accurate construction fit them perfectly to the uses for which they are intended. In every detail, each piece of POWR-KRAFT equipment is a true precision tool—accurately designed and finished down to the most minute detail with all the care that skilled workmanship can build in.

Fine Tools—Priced So All Can Buy

Wards POWR-KRAFT Woodworking Tools are used by professional workers in wood as well as by amateur craftsmen. The lighter weight tools are especially designed with an eye to the particular requirements of the home workshop and their low prices make them outstanding values! The heavy duty line furnishes the extra weight and capacity for more severe uses, at even bigger savings.

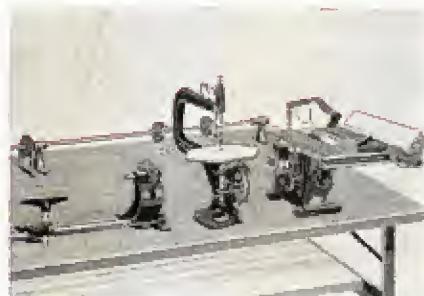
Every step in the design and construction of the new POWR-KRAFT line was supervised by Ward's Bureau of Standards. Each tool was subjected to practical operating tests, was studied and analyzed by men who know what has to go into tools to make them reliable and efficient.

That is why you will find all the desirable refinements in POWR-KRAFT tools.

Your Boy Can Share the Fun

Growing boys, too, are finding an absorbing interest in planning and building their own playthings—are kept busy and contented at home. With POWR-KRAFT Woodworking Tools, they can carry on from where they left off in their manual training classes at school and build many useful things. Self-Reliance—thinking things out for themselves and then acting upon it—can be learned at home just as well as anywhere else. Dad and his boys certainly get to be real pals on rainy days and long evenings, working things out together.

If, during the life of this catalog, direct or indirect means of raising prices are adopted by the Government, we may be affected. Certain states have already passed laws imposing sales and special excise taxes. Other states and the Federal Government may also do so. These situations, of course, will have to be met by price adjustments,



IT COSTS YOU VERY LITTLE ... Start With Just a Few Pieces

It need not cost you very much to start a home workshop. Just a few of the simpler pieces at first, such as those pictured above, require but a very modest investment. Once you start this fascinating hobby, it won't take you long to find ways of making your little shop a profitable investment. You'll soon be increasing the range of your projects by adding equipment as you need it.



Built to the Exacting Specifications of Wards' Bureau of Standards

Which has awarded the POWR-KRAFT Line this seal for exceptional merit. Every item in this book is sold subject to our Guarantee of Satisfaction or Your Money Back.

Wards' EASY PAYMENTS on all orders of \$20 or more

Allow You to Enjoy POWR-KRAFT Tools while You Pay for Them

Add ten per cent to the amount of any order of \$20 or more for carrying charge. Then send one-fifth of the total amount with your order, and complete the balance in five equal monthly payments.

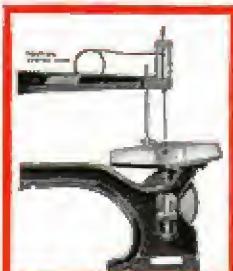


START YOUR
SHOP WITH A

JIG SAW



Table tilts any angle up to 45 degrees. Adjustable stop for self-leveling.



Blade breakage—greatest single upkeep item on jig saws—is greatly reduced by even tension of the new torsion type spring.

THIS ONE TOOL HAS THE MOST USES AND COSTS THE LEAST

- 12-in. Throat ● 2½-in. Capacity ● 4-in. V-Pulley
- Quick Change Blade
- New Torsion Spring Reduces Blade Breakage

The things you can do and do better with Wards POWR-KRAFT 12-Inch Jig-Saw—such as scroll work, fret sawing, cutting inside and outside figures—make it one of the most useful of all pieces of electric woodworking equipment—especially when you are depending upon just a few tools. Its smooth, quiet operation assures accurate work; is evidence of the fine materials, design and excellent workmanship that actually brings its performance on the job up to that of saws selling elsewhere for several times its price!

The blade works straight up and down, its tough, heat-treated steel driving mechanism is mounted independently of the table. Blade tension is controlled by heavy torsion type spring. This tremendous improvement over the coil springs found on other jig saws gives an even tension at all positions of the stroke, preventing much blade breakage and prolonging the life of the spring itself. Blades are quickly interchangeable. A rigid guide and hold-down foot makes accurate cutting easy.

The arched frame of close-grained gray iron is substantial, rigid, and nearly vibrationless. The accurately surface-ground 7½-inch cast iron table has an adjustable stop for absolute accuracy in squaring. Height overall, 15 inches.

484 LR 787—Complete with 4-in. V-pulley; adapter for plain end blades; 3 fine and 3 coarse blades; 3 fret saw blades. Ship. wt. 15 lbs. . . . \$4.75

For information on Wards' EASY PAYMENT PLAN, see Page 3.

Save Cutting Time—
SMOOTH RUNNING **BENCH SAW**



3 QUICK ADJUSTMENTS MAKE ACCURATE CUTS of every kind EASY

• Rips or Cross Cuts • 2½-in. Capacity • Meets all State Safety Codes



Table tilts any angle up to 45 degrees. Rip fence tilts both ways to 45 degrees.



Blade can be raised or lowered by means of a conveniently located hand wheel.



Blade is always covered with Safety Guard.



With sanding disc. Described on Page 21.

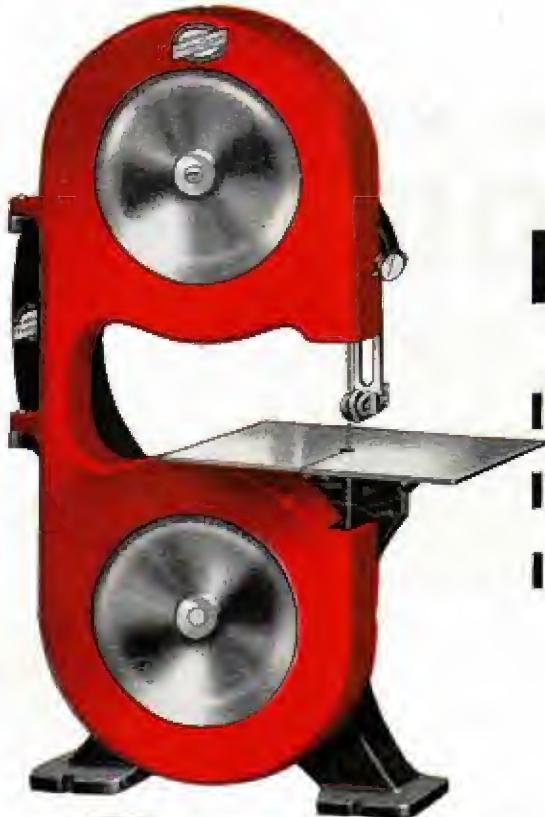
WARD'S POWR-KRAFT Bench Saw is a time saver! Ripping or cross cutting, it affords true and rapid operation. Instantly adjustable for depth, squaring or cutting at any angle, this tool has more machined and accurately fitted parts than any other selling at or near its price. It is smooth, efficient and powerful.

The perfectly true-running blade is made possible by an accurately polished and ground steel spindle running on self-sealed New Departure Ball Bearings. The fine quality tempered and hammered 7-in. combination blade raises or lowers by a convenient hand wheel; cutting depth capacity, 2½ inches.

The 10 by 14-inch surface-ground and grooved table, tilts to any angle up to 45 degrees. It is fitted with milled slot for miter gauge; also a removable throat opening for using dado heads, sanding discs, etc. The guard with splitter on the POWR-KRAFT Bench Saw is designed to meet all State Safety Codes. The splitter prevents the blade from binding. The guard raises as work is fed to the saw, assuring safe operation at all times. When necessary, it is easily swung out of the way without detaching. The adjustable rip fence tilts to 45 degrees, both ways.

484 LR 764—Ship. wt. 30 lbs. \$9.95

For information on Wards' EASY PAYMENT PLAN, see Page 3.



USE A
POWR-KRAFT
BAND SAW

IT'S EASIER
IT'S SMOOTHER
IT HANDLES
MORE WORK



\$12⁴⁵
LESS MOTOR

WARDS' Safety MODEL

- Blade completely guarded except at actual working point.
- Capacity under guide 2 1/4-in.
- Cuts to center of 15 1/2-in. circle.



Showing one-piece hinged guard swung back to allow for quick blade change.



Deeply boxed grey iron frame prevents vibration. Take-up tension adjustment provides perfect blade adjustment.

Home craftsmen find that Wards 8-Inch POWR-KRAFT Band Saw is easy to use, runs smoothly and handles all the work they can feed to it. That's because it's especially designed and built to operate under home workshop conditions. So marked is the quality of the materials and design, so finished the workmanship in this saw that it has caused great interest among professional craftsmen. Many are now being purchased by shops for light work.

A one-piece cast iron hinged guard *completely covers* the wheels and blade except at the actual working point. It is easily opened however to permit a quick change of blades.

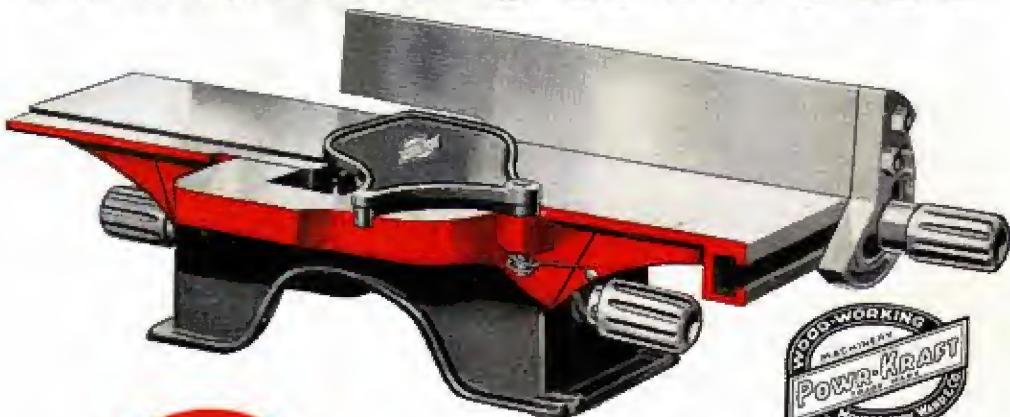
The accurately machined upper wheel assembly is adjustable instantly for correct blade tension. Top and bottom wheels are lined up in the same manner. For strength and rigidity this tension adjustment is an integral part of the frame. The sturdy one-piece box frame is made of close grained gray iron, heavy in weight and free from vibration. Machined and crowned wheels are rubber tired and accurately balanced. The polished 7 by 8-inch heavy gauge steel table tilts to any angle up to 45 degrees and has adjustment for squaring. Capacity of saw is 2 1/4-in. depth. Cuts to center of a 15 1/2-in. circle. 484 LR 742—8-in. Band Saw only. Ship. wt. 50 lbs..... \$12.45
184 LR 743—Band Saw complete with 1/2 H.P. G.E. Motor; 10-ft. cord, plug, switch; motor base, pulley and belt. Ship. wt. 75 lbs.

Cash Price..... \$25.95

For information on Wards' EASY PAYMENT PLAN, see Page 3.
ESTIMATED FREIGHT CHARGE on Page 23.

True your work the MODERN WAY
SERVICEABLE
and ACCURATE

JOINTER



\$ 9 95

PERFECTLY ALIGNED TABLES
KNIVES AND FENCE . . .
ALL MACHINED CONSTRUCTION

Capacity $\frac{1}{4}$ -Inch—True, Smooth Surfacing

No other tool demonstrates the full advantages of electric woodworking equipment as completely as Wards POWR-KRAFT Jointer or Planer.

Truing up surfaces and edges has always been a tough job with hand tools, even for experts! But anyone can true surfaces with this POWR-KRAFT Jointer by simply moving the stock across the cutter head, once for each surface.

Perfectly balanced and tested to withstand many times the strain of the hardest work you can give it—the cylinder cutter head firmly holds three adjustable 4-inch high speed Tungsten steel blades. It is also equipped with three chip breakers. These fine, hard knives leave a beautiful, true surface without ripples or rough spots. The polished and ground cutter head shaft runs in oilless bronze bearings.

Surface-ground heavy cast iron tables are mounted and movable on four ways and held firmly by strong springs. Instantly adjustable by hand knobs for any cut up to $\frac{1}{4}$ inch. The heavy reinforced rip fence is equipped with a graduated protractor gauge and tilts any angle up to 45 degrees in either direction. Complete with 1-inch rabbeting ledge and $1\frac{1}{4}$ -inch V-pulley.

Safety guard opens as work is fed and instantly springs back when stock passes cutter head. Proper speed is about 5600 R.P.M. or 17,000 cuts per minute! Use 4-in. pulley on motor or line shaft running at 1750 R.P.M. Overall length 20 $\frac{1}{2}$ inches; width 5 inches.

484 LR 768—Ship. wt. 29 lbs. \$9.95

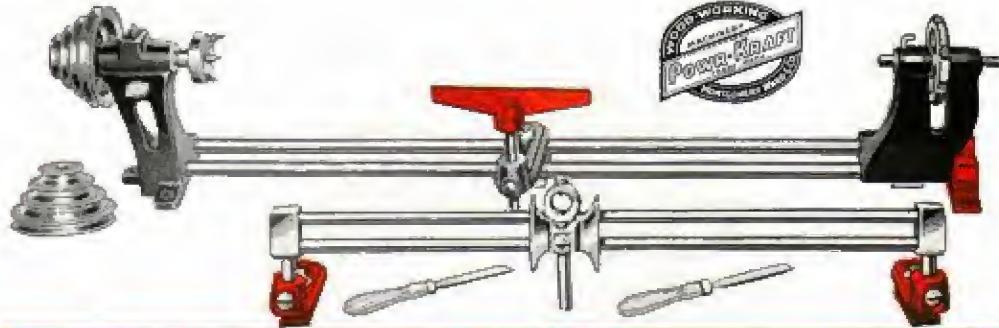
For information on Wards' EASY PAYMENT PLAN, see Page 3.



Laboratory tested for true surfaces and perfect alignment of all parts.



Cutter head and removable Tungsten steel blades.



4 speed LATHE

Turns work up to 8 inches

\$945
COMPLETE

THIS SMOOTH, QUIET RUNNING TOOL DOES WORK YOU CAN NOT DO BY HAND.....

- Rigid Heavy Steel Bed Rods
- Bronze Bushed and Thrust Ball Bearings
- 4 Speeds : 700, 1,350, 2,200 and 4,000 R. P. M.

A low price lathe of ideal design for the home workshop! Provides everything necessary to satisfactory service—solid rigidity for long use, perfect alignment for accurate work, and micrometer smooth machined finish parts for quiet, wear-free running. The steel bed rods—instead of being coarse castings usually offered, are accurately machined and specially finished to prevent rust. Tool-rest and tail-stock anchor securely and slide freely for easy adjustment.

Head stock bushed with two bronze bearings, and thrust ball bearing on spindle to provide lasting trueness. Tail stock drilled for accurate cup center. Steel bed rods set solidly in deep drilled base holes. Capacity 24 by 8 inches; length over all including pulleys 34½ in. Height 8 in. Two 4-step pulleys provide speeds of 700, 1,350, 2,200 and 4,000 r.p.m.

484 LR 758—Lathe complete with 6-in. and 24-in. tool rests, two 4-step pulleys, combination drive center and 2 turning chisels. Ship. wt. 30 lbs. \$9.45

484 LR 759—Above Lathe with 6-in. tool rest only, two 4-step pulleys, and combination drive center. Ship. wt. 19 lbs. \$5.45

84 LR 760—24-in. tool rest pictured above. Complete. Ship. wt. 9 lbs. \$3.25

For Information on Wards' EASY PAYMENT PLAN, See Page 3.



Heavy Head Stock

Two Bronze Bushed bearings and a thrust spindle ball bearing—run in grease—maintain wear-free vibrationless service. Dependable spur center with two Drive Pins. Note anchorage of tool steel bed rods in base.



Milled Tail Stock

Tail stock accurately aligned with Head stock. Large band wheel quickly and tightly adjusts cup center.

DOUBLE BALL-BEARING VERTICAL MOLDING SHAPER



Complete with set of 7 Cutters

One of the most versatile, reliable and accurate tools of its kind! And there's nothing else to buy—full set of 7 cutters (usually sold extra at 75c to \$1 each) included! Only Ward's big volume sales permit such amazing extra value!

Give your work the final artistic finishing touches of smart moldings, routings and fancy edges found in professional work. This tool offers almost unlimited variety with its exclusive **TRIPLE-ADJUSTMENT!** Spindle can not only be raised or lowered, but can be tilted to change entire appearance of moldings with same cutters.

The POWER-KRAFT Molding shaper not only turns out a bigger variety of work—not only gives you all the neces-

sary cutters at no extra charge—but offers the finest workmanship and quality. The design is fully tested and proved—all parts accurately machined—top and bottom of spindle runs in genuine New Departure Ball Bearings to eliminate vibration and "shimmy." It cuts a smooth continuous design that needs only a minimum of sanding to finish it.

The ground and grooved heavy cast table is milled to assure accurate work. Guide is adjustable for depth of cut, and cutters are well protected by deep guard. With the POWER-KRAFT your work is visible at all times—a big advantage to careful workmen. Ship. wt. 30 lbs.

484 LR 775—Complete \$9.95

A GOOD JOB

Deserves a
Flawless Finish

Adjustable BELT SANDER

Eliminates tedious hand sanding, with its usual irregularities. Here perfectly straight lines and sharp, square edges are automatically preserved.

Positive alignment is of the utmost importance to accurate sanding operations. In the POWER-KRAFT, this is assured over the whole range of its adjustments by the simple double-tension construction. The revolving abrasive fabric belt runs on rubber covered pulleys, held in perfect alignment by the two steel rods mounted in heavy cast base. The machined-top heavy cast table is securely anchored on thick upright steel rod, and has fence adjustable to any angle, and removable for sanding extra long pieces. For the big shop as well as the small one.

Complete with one abrasive belt and V-type pulley for line shaft or motor drive. Ship. wt. 13 lbs.

484 LR 779—POWER-KRAFT Belt Sander \$5.95

For information on Ward's EASY PAYMENT PLAN, see page 3.



Pulley Side Showing
Tension Adjustment

\$21⁵⁰
WITH 6 BLADES
1/2 HP.
MOTOR



POWER and SPEED TO SPARE
Heavy Stock Easily Handled

Heavy Duty SCROLL SAW



Blade may be revolved to cut any length stock with only one adjustment



Table tilts to 45° to front or to either side.



Patented universal key chuck to fit all blades and files.

Quiet and Vibrationless

THREE IMPORTANT IMPROVEMENTS—all exclusive features—make the POWER-KRAFT far more efficient than any previously designed Scroll Saw! And you get these *in addition* to everything else any fine saw offers! *And save money besides!*

Universal Blade Chuck. Key locking—turns to any position. Two sets of easily interchangeable self-centering jaws hold any jig, scroll, fret, or sabre saw blade, file or sanding pencil.

Entire table assembly turns on base. Handy lever release—instant locking in any position. Chuck and tilting gauge turn with it. Saw cuts from any direction and at any angle. Table tilts to 45 degrees in any position!

New Torsion type head Spring. Maintains uniform tension at all positions of blade stroke; reduces blade breakage, offering important economy. Makes possible smoother work—More efficient and durable than coil spring.

Spindle runs on TWO New Departure Sealed Ball Bearings, in a constant bath of oil. Upper head bearing oil-less bronze—no oil can drip to spoil work. Piston type pump on spindle blows away sawdust.

Vibrationless operation! The fine, machine fitted parts, the ball bearings, the oil flooded crank case, eliminate vibration from the moving parts. Blade guide and hold-down of most efficient type. Guide can be quickly removed when necessary, and chuck will easily handle single-end blades without extra attachments.

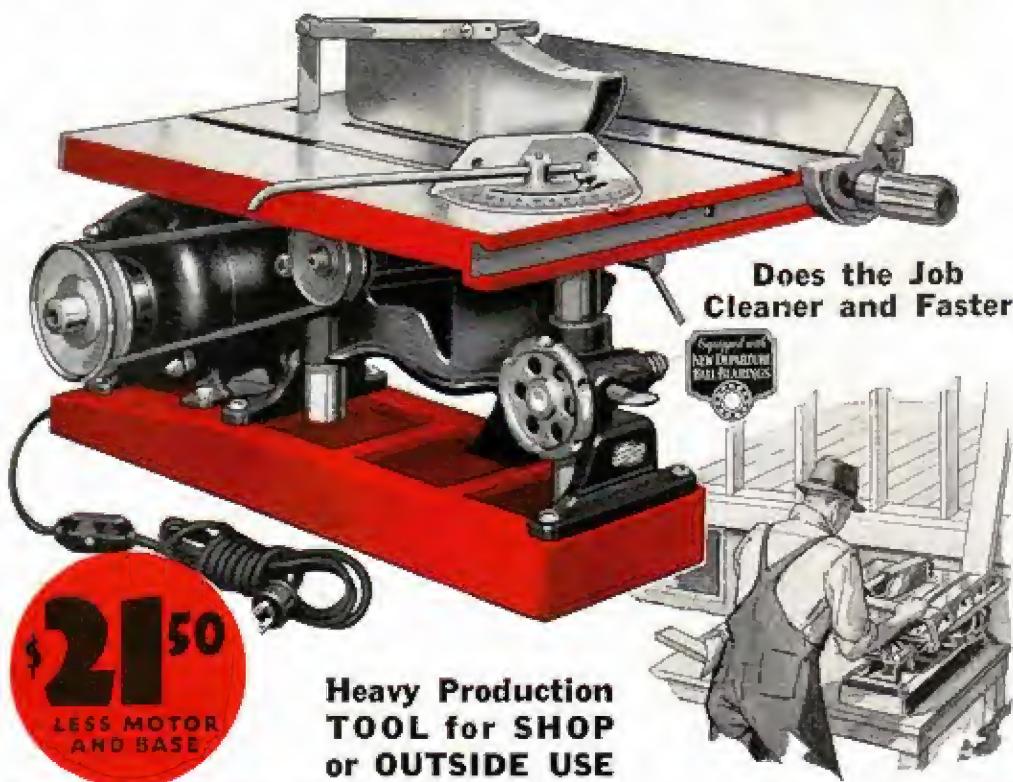
Complete with 4-step pulley, 2 feet, 2 scroll and 2 sabre blades.

Arm 24 inches deep; table 10 by 10 inches, smooth high polish. 184 L.R. 769—Scroll Saw as described. Ship. wt. 84 lbs.....\$21.50 184 L.R. 747—Scroll Saw complete, with $\frac{1}{2}$ H.P. O. E. Motor, cord and plug for 110-volt, to 120-volt, 60-cycle current. Ship. wt. 109 pounds.....\$31.45

For information on Wards' EASY PAYMENT PLAN, see Page 3.

For ESTIMATED FREIGHT CHARGES see Page 23.

THE POWR-KRAFT HEAVY DUTY BENCH SAW



\$21.50
LESS MOTOR
AND BASE

**Heavy Production
TOOL for SHOP
or OUTSIDE USE**

- Cuts to Depth of $2\frac{1}{8}$ in.
- New Type Table Adjustable Instead of Saw
- Surface Ground Cast Table 16 x 18 in.
- All Adjustments Hand Controlled and Self Locking

Built up to a new perfection of performance it offers every modern refinement. High speed—accuracy—clean cuts—quick, easy, hand adjustments—ball-bearing smoothness—every quality the professional wood-worker and experienced craftsman can demand!

You'll find only the latest, proved features on this tool! Note that table is adjustable instead of saw—like all big shop machines—tilts or lowers vertically on two giant steel rods, and controlled by single big hand wheel at front. Saw is thus securely and rigidly anchored in the frame to minimize possibility of vibration. Both ends of shaft run on genuine New Departure sealed Ball Bearings.

A special feature of the POWR-KRAFT is the *adjustable throat*—a safety feature you can't get on any other popular priced saw! Throat adjustable with the saw when table is tilted for mortise cuts—no danger of cuttings or small pieces dropping through to jam blade as on saws where throat is not adjustable. Hardwood throat is removable to convert quickly to disc sander (disc to fit on page 21).

Hand lever releases table for tilting to any position up to 45 degrees, and locks instantly. Stop bolts bring table to perfect alignment on return. Ripping fence is newest design, and can be locked at any angle with large hand knob; has protractor gauge for accurate setting.

Heavy close grain gray iron table surface ground and machine slotted on right and left of saw for miter gauge. Top polished and trued at factory. Equipped with high-grade fine crucible steel 8-inch combination rip and crosscut saw.

184 LR 765—Bench Saw only. Ship. wt. 85 lbs. \$21.50
184 LR 766—Bench Saw and Base only. Ship. wt. 120 lbs. 23.50
184 LR 767—Bench Saw, Base and genuine General Electric $\frac{1}{2}$ H.P., 110-120 volt A.C. motor, 10-ft. cord and plug. Ship. wt. 145 lbs. \$34.50

For information on Wards' EASY PAYMENT PLAN, see Page 3.
For ESTIMATED FREIGHT CHARGES see Page 23.



Aluminum Guard
with Splitter



Table Tilts
Up to 45°



Easily Converts to
Disc Sander



Accurately Trued
at Factory



- Two New Departure Ball Bearings on Each Wheel!
- Wheels Matched and Balanced
- Box Channel Heavy Cast Frame

\$2745

LESS MOTOR

Wards disregarded all previous standards in designing the entirely new POWR-KRAFT 12-inch Band Saw! That's why you'll find all these features only in POWR-KRAFT! A higher degree of safety . . . the utmost in POSITIVE ALIGNMENT . . . a stronger, more RIGID FRAME . . . and a multitude of other quality points.

All parts are carefully matched and balanced perfectly to give vibrationless operation no necessary in this type of tool—whether idling at a few hundred r.p.m., or racing along at several thousand! Takes any stock up to five inches—and cuts through hard woods with the same effortless ease that it disposes of soft pine. And it's built to maintain vibrationless performance for its entire life. An extra heavy box cast frame that will not twist, warp or spring, holds all running parts in rigid alignment permanently.

Here, too, you'll find greater safety. See how the cast one-piece guard completely covers the blade except at actual working point. We know of no other Band Saw so well protected. Entire guard swings open for quick, easy blade changes.

Cast aluminum wheels, of safety disc type, are matched and balanced in pairs. Each is mounted on TWO New Departure Sealed Ball Bearings, and extra precaution to secure the ultimate in vibrationless smoothness, and eliminate blade breakage. Rubber facings carry the blade quietly and prevent slippage. Top wheel has vertical tension adjustment that takes up all slack, and maintains true, clean cuts for the life of each blade. Blades are kept running in accurate alignment by the hardened tool steel guides directly above and below table. Table is heavy cast iron, 11 by 11½ inches, grooved and polished. Hand wheel releases it for adjustment to 45 degrees, and locks it in positive position on accurate protractor marked scale. Bolt stops bring table to perfect alignment on return.

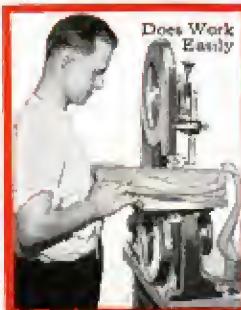
184 LR 755—Complete without motor with 14-in. blade. Ship. wt. 126 lbs . . . \$27.45

184 LR 754—Complete with ½ H.P. General Electric Motor and base, 110-120 volts, A.C., ½-in. blade, motor pulley and V-belt. Ship. wt. 152 lbs . . . \$37.45

For information on Wards' EASY PAYMENT PLAN, see Page 3.
For ESTIMATED FREIGHT CHARGES see Page 13.

**Lightning Fast
SMOOTHNESS**
**Fine Cutting
ACCURACY**
Balanced Wheels
**Heavy Duty
SAFETY**
**BAND
SAW**

Real
Protection!
Fully Encased
Except at,
Actual
Working Point



Below. Shows Table
Tilted and Hand
Tension Adjustment.



Note
How
Blade Is
Guarded
Right to
Working
Point.

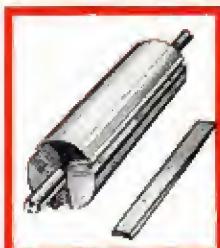
POWR-KRAFT HEAVY DUTY JOINTER

for LARGE VOLUME AND ACCURACY



- Permanently **Vibrationless**
because of Heavier Build
- Perfectly Aligned Parts
- Instant Precision Adjustments
- Three 4-in. Tungsten Steel Blades in Cutter Head
- **1/3 H. P. GENERAL ELECTRIC MOTOR**

\$30.95
with
1/3 H.P. & MOTOR
AND BASE



Cutter Head with
Removable Tungsten
Steel Blades



Tables Accurately
Ground and checked
at Factory

In no other piece of equipment in your shop is the accuracy of your work so entirely dependent upon the tool! That's why every step of the design and production of the Powr-Kraft Heavy Duty Jointer was guided by the highest precision methods. Only the finest of motors was fit to team up with such a tool—so we matched it with a genuine $\frac{1}{3}$ H. P. General Electric. Here's the perfectly balanced, quality Jointer unit. You can depend upon it not only to handle a large volume of work, but to maintain peak efficiency with a minimum of attention.

Making perfectly true and accurate edges, joints and surfaces is merely a matter of running your stock through this tool. The perfectly balanced 4-inch cutter head is equipped with three high-speed Tungsten Steel Blades, revolving at approximately 5600 R. P. M. That's 17,000 cuts per minute! Is it any wonder those keen, hard knives produce such flawless surfaces, free of ripples and rough spots? There's no chance of "shimmy" or "chatter," because the cutting head is anchored solidly in the heavy cast iron base, and revolves on a polished and ground shaft that runs in giant oil-less Bronze bushed bearings (which actual tests proved best for this type of tool).

Note particularly the bulk of this machine. It's due to this extra heavy cast iron construction that it operates so smoothly even when handling capacity work.

Every Adjustment Easily Made

Both tables are controlled by separate large hand knobs (both visible in picture), and operate smoothly on four "ways" that hold them in perfect alignment in all positions. Tops of tables are ground, polished and tested for perfect smoothness, and checked on accurate gauges at the factory before installation. Reinforced fence locks positively at any angle, on clearly graduated protractor gauge.

Spring controlled Safety Guard opens as work is fed in and is instantly returned to completely cover blades when material passes cutter head.

Includes a genuine General Electric $\frac{1}{3}$ H.P. 110-120 volt, 60 cycle A.C. Motor. Capacity, $\frac{1}{4}$ -inch cut. Equipped with 1-in. Rabbing ledge.

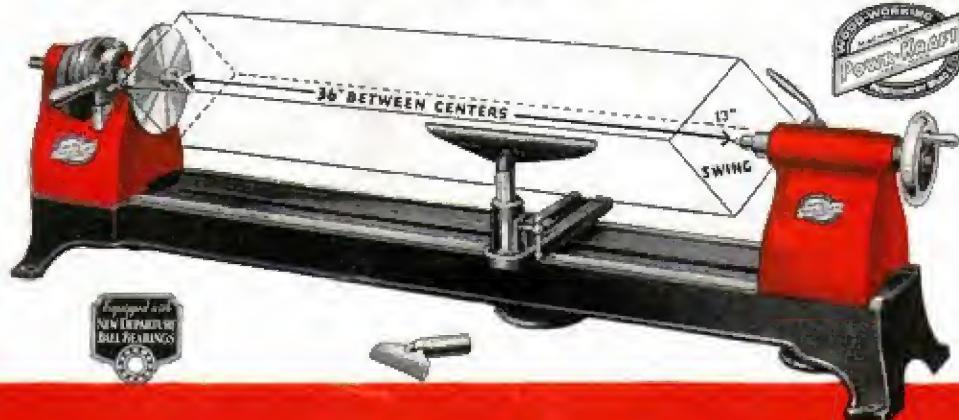
284 LR 762—Heavy Duty Jointer, complete with Motor. Ship. wt. 85 lbs.....\$30.95

For information on Wards' EASY PAYMENT PLAN, see Page 3. For ESTIMATED FREIGHT CHARGES see Page 23.



It's Easy to do True
Work—and do it Fast

The FIRST Wood Turning Lathe Equipped With “CLUTCH-in-HEAD” Control!



Handier to Use ... More Economical to Operate **Heavy Duty Wood Turning LATHE**

- Has Many Features Previously Found Only On Highest Priced Steel Turning Lathes.
- Capacity 36 Inches • Swings 13-Inch Stock.

An outstanding example of what Wards new POWR-KRAFT line is doing for woodworkers! "Clutch-in Head" control is the biggest improvement ever made on a wood turning lathe.

The clutch in the headstock makes it possible to stop the lathe without shutting off the power. This means easier, quicker control and saves money on current because it takes as much power every time you start a motor as it does to run it for some time. Ratchet device built into head; spindle and stock lock in any position.

The 4-step pulley is suspended between two large self-sealed New Departure Ball Bearings that resist end thrust and stop binding. The lathe may be driven from above, below or behind. No wrenches are needed for making adjustments on the Heavy Duty POWR-KRAFT Lathe. Both the tail stock and tool rest are secured to the base with hand wheels. By doing away with the usual nut and washer on top of the tool rest base, the actual capacity of the lathe is increased considerably. Swinging diameter over the tool rest is 11 inches, without the rest, 13 inches.

The rigid and substantial bed of close grained gray iron is similar to those of heavy duty steel turning lathes. No vibration is possible with even the heaviest of work. Both "V" and flat ways are milled the entire length of the bed, giving the positive alignment necessary for accurate work. 2½-inch legs give plenty of room to make hand wheel adjustments and a convenient place to lay accessories. Due to its design the bed cannot become clogged with chips or shavings, that make it hard to move the tail stock and tool rest.

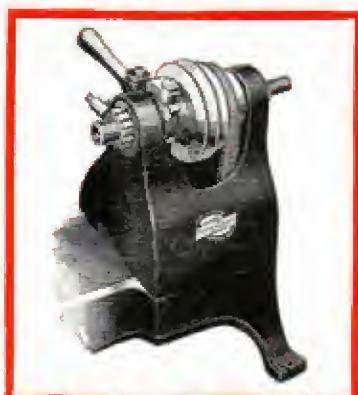
Head and tail stocks have Number Two Morse Taper Sockets; centers are interchangeable. The headstock spindle is threaded at both ends; a face plate may be used on either end. Centers on both head and tail stock align perfectly at any position on the lathe bed. The large hand-wheel on the tailstock feeds the quill forward and back. When back to the limit the center is ejected. The maximum length of stock, lathe will take is 36 inches.

Complete with cup center, drive center, 6-in. face plate, 12 and 4-in. tool rests and V-belt.

184 LR 748—Ship. wt. 130 lbs. \$31.45
For information on Wards' EASY PAYMENT PLAN, see Page 3.

For ESTIMATED FREIGHT CHARGES, see Page 23.

\$31 45
LESS MOTOR



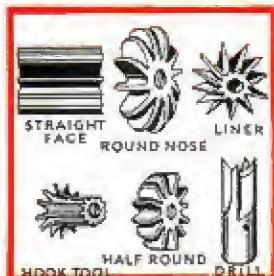
View above shows close-up of head stock with 4-step pulley suspended between bearings. The large handle is the clutch control that throws the spindle out of gear. The small pin controls the ratchet adjustment.

24 THOUSAND R. P. M.!

No wonder flawless
Carving is made easy!



Makes carving as simple as painting designs out with a brush. Stock may be held as we to carve any surface.



Carving cutters. Ship. wt. ea. 4 oz.
84 LR 689—Straight Face . . . \$3.45
84 LR 690—Round Nose . . . 2.15
84 LR 691—Liner . . . 1.65
84 LR 692—Hook Tool . . . 2.60
84 LR 693—Half Round . . . 2.30
84 LR 694—Drill . . . 2.60

\$38.95
with
SCUTTERS

1st High Speed
Carver at a
Price the Home
Woodworker or
Small Shop can
Afford.

No Chattering
or Gouging.

POWR-KRAFT BENCH WOOD CARVER

A little carving adds a professional finishing touch to your projects to relieve their flat, uninteresting appearance. This Bench Carver, added to the other tools in your shop, will make it possible to turn out any item to be found in a furniture store. There are cutters to give every possible effect. Cutting knives may be changed instantly.

This carver cuts freely without the limitations of a table or fence guide; and its extreme high speed of 24,000 R.P.M. prevents stock from grabbing. There is no "chattering" or "gouging."

The high-grade tool steel spindle is fully supported by 3 self-sealed New Departure ball bearings, one at either end of the casing and one at the center. The Universal A.C. or D.C. Motor, rated at over 1 H.P., is directly connected to the spindle shaft. Height overall 12 in. Ship. wt. 50 lbs. Start 110 or 220 volts as desired.

484 LR 736—Complete with half round, round nose and liner cutters \$38.95

USED BY LEADING CONTRACTORS

Because they find POWR-KRAFT
ELECTRIC HAND SAWS equal to
others selling at \$65 and more



There's only one reason why large construction firms buy one certain piece of equipment in favor of others. That's because experience shows that it does the work expected of it at the lowest cost.

These Saws have been used in the construction of some of the most famous buildings in America. They go right out on the job and do faster, cheaper and safer cutting on every building material.

Built of aluminum with switch in pistol grip handle. Safety guard, 6-in. combination rip and cross cut saw—adjustable to any angle up to 45 degrees. Worm gear drive. New Departure sealed Ball Bearings for speed, wear and quiet running. Depth of cut 1 1/2 in., 3600 R.P.M. 1/4 H.P. G.E. Universal motor; 110-volt A.C. or D.C. With grease gun, wrench, rubber covered cable and plug.

484 LR 177—Ship. wt. 18 lbs. \$47.45
For information on Wards' EASY PAYMENT PLAN see Page 3.



Can be used on job
anywhere!

\$47.45
with
STEEL CARRYING
CASE



End view: Automatic
Telescoping safety guard.

A Capable POWR-KRAFT



\$35⁷⁵

WITH MOTOR

- 5. 2-in. SOLID STEEL COLUMN with cut gear rack and tension raising spring.
- 6. LARGE FEED LEVER controls up and down action.
- 7. 8 by 8-in. SWIVEL and TILTING TABLE. Accurately ground and polished.
- 8. 9½ by 9¼-in. STATIONARY TABLE—for larger work; also substantial base.
- 9. Genuine NEW DEPARTURE Sealed Ball Bearings on true running drill shaft.

Drill Sets for Bench and Hand Drills



Handy marked container keeps sets sorted. Fine grade—recommended for Electric Drills. High Speed. Sizes: 1-16, 3-32, 36, 5-32, 3-16, 7-32, 1/4 and 9-32 inch.

84 LR 1045 Carbon Steel, Ship. wt., 10 oz.	\$4.55
84 LR 1044 High Speed, Ship. wt., 10 oz.	\$2.65

Routing and Mortising Cutters

MLR 841—Bld. wt., 2 oz.
Steel Tip Router



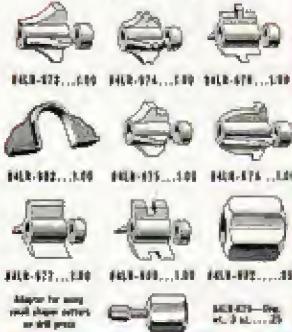
Dovetail Routers

MLR 842—Bld. wt., 1 oz.
Steel Tip Router



Shaping Cutters

Bld. wt., each, 1 oz.



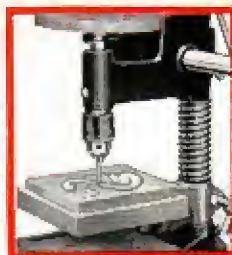
"JACK-OFF-ALL-TRADES" HEAVY DUTY DRILL PRESS

ROUTS



Routing and inlaying done with greatest convenience. Gives delicate beauty to your project.

CARVES



Beautiful decorative trim, too, can be produced on this most useful of shop tools.

SHAPES



Converted to Molding Shaper, it is second to none for variety, quality and convenience.

MORTISES



Mortising, Tenoning, and Dovetailing is easily done merely by using the proper bits.

NEW DIRECT "FRICTION DRIVE"

Any Speed From 700 to 4000 R.P.M. INSTANTLY!

EXCLUSIVE on Powr-Kraft! *New Direct Friction Drive* for the first time on portable electric tools! More convenient—more efficient—greater safety! And in a stout, heavy duty Drill Press that the professional woodworker and small factory as well as the Home Crafter will find equal to their demands! Recommended for use on wood or metal—will not stall handling capacity $\frac{1}{2}$ inch drill on cold rolled steel!

Instantly adjustable from 700 to 4,000 R.P.M., merely by loosening wing bolt and moving motor in or out of heavy cast safety housing. Motor drives direct on drill shaft disc. No belts—no pulleys—safer, quieter.

Trim, simplified design makes it easier for you to perform the big variety of operations to

which this tool can be adapted. Quickly converted with a minimum of adjustments.

Heavy spring on column, acting against feed lever, enables you to skillfully vary the pressure of cut.

Complete with G.E. 110-120 volt, 60 cycle $\frac{1}{4}$ H. P. A. C. Motor. Drills to center of $13\frac{1}{2}$ in. circle. Maximum clearance 12 inches. Overall height $28\frac{1}{2}$ in. Ship. wt. 114 lbs.

184 LR 1028—Drill Press \$35.75

For Estimated Freight Charges See Page 23

NOW! Full Size
Blue Prints See
Back Cover

For Ward's
Easy Payments
See Page 3

A NEW TOOL IN 2 MINUTES!

Converts Into A Heavy Duty
Molding Shaper—Only 2 Adjustments

Only \$4.75 Makes This Drill Press One of the Finest Molding Shapers

Here's the Powr-Kraft Heavy Duty Drill Press, converted to Molding Shaper. Only one simple operation necessary,—lift the entire column with motor and 8-in. table out of socket and replace up-side down. Turn table over, attach guide and guard, and cutters. Makes a rigid and solid conversion, the equal of any tool designed solely as a Molding Shaper. Order large size cutters from page opposite.

SHAPER CUTTER SET—Makes Over 50 Designs.

Order with your drill press—gives you the widest range of designs at the lowest cost. All fine tempered steel. Consists of adaptor, seven cutters, four depth washers and two collars (pictured on page 8) also fence and guard. Nothing else needed. 84 LR 1025—Complete Set. Ship. wt. 4 lbs. \$4.75



NEW IMPROVED HIGH SPEED ELECTRIC GRINDERS

Heavy Oil-Packed
Bronze Bushed Bearings



Fully
Enclosed
Dustproof
Motor

\$18⁹⁵
1/2 H.P.
6 IN. GRINDER

Precision balanced. Rotates in giant oil-packed bronze bearings. Cooler operation; lower current consumption; vibrationless performance whether idling or under load. Motor sealed in 100 per cent dust-proof case. Two sizes—for any type of tool or bench grinding.

Reliable cut-out starts motor on less than 15 amperes—Electrical Testing Laboratories approve it. Adjustable tool rests—one-piece open side guards. Carborundum, vitrified grinding wheels—one coarse, one fine. Black lacquer finish. Complete with 3-wire cord (extra wire provides ground for safety). For 110-volt, 60 cycle A.C.

444 LR 6703—Wheels 6 by $\frac{1}{4}$ in $\frac{1}{2}$ H.P. Motor; 3600 R.P.M. Ship. wt. 49 lbs. \$18.95
444 LR 6704—Wheels 8 by $\frac{1}{4}$ in $\frac{1}{2}$ H.P. Motor; 1800 R.P.M. Ship. wt. 64 lbs. \$24.95

For Estimated Freight Charges, see Page 23.

\$24⁹⁵
5/8 H.P.
8 IN. GRINDER

All-Purpose FLEXIBLE SHAFT

The 36-inch length enables you easily to reach your drilling, sanding, polishing, and to remove paint, rust and stain. High quality special temperature spring steel core and grease-tight case. Both ends run on ball bearings. Fitted with $\frac{1}{4}$ -in. chuck and $\frac{1}{2}$ -in. arbor. Coupling for $\frac{1}{2}$ -in. motor or like shaft included. Ship. wt. 4 lbs. 8 oz.

84 LR 782—Complete Flexible Shaft \$4.45

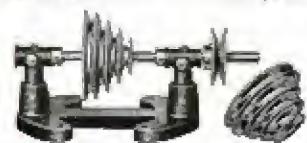
For information on Wards' EASY PAYMENT PLAN, See Page 3.



4⁹⁵
**BENCH
GRINDER**

- Oil-less Bronze Bearings
- 2 Six-In. Grinding Wheels

A heavy duty tool for production work. 6 by 5-in. base. Adjustable tool rests and guards. Shaft 3 in. by $\frac{1}{2}$ in. Diam. pulley $1\frac{1}{4}$ in. Face $1\frac{3}{4}$ in., grooved for "V". round or flat belt. 2 carborundum wheels 6 in. by 6 in.; 1 fine, 1 coarse grain. Ship. wt. 19 lbs. 444 LR 6723. \$3.25



3²⁵
**Heavy
JACK
SHAFT**

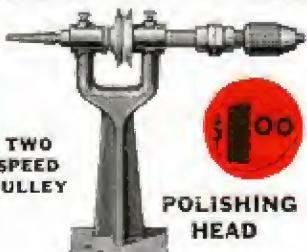
- Two 4-In. 4-Step Pulleys
- Bronze Bearings

A heavy tool to give you quick step-up or step-down of speeds.

Especially useful for increasing speeds for routing or shaping operations.

Complete with one extra 4-in. 4-step V-pulley. 8-in. shaft runs in bronze bearings. V-type power pulley on end.

Shipping weight 12 pounds. 84 LR 786. \$3.25



3⁰⁰
**TWO
SPEED
PULLEY**

Holds Wheels Up to 6-In.

For grinding, polishing, rust removing. Positive three-jaw drill chuck for drills up to $\frac{1}{2}$ inch. Bearings equipped with oil cups. Solid anchoring base. Holds grinding wheels, wire wheel scratch brushes and cloth buffing wheels up to 6 by $\frac{1}{2}$ inch. Ship. wt. 3 lbs. 84 LR 6702. \$1.00

See Page 3.



Good Electric Drills at Surprisingly Low Prices

- General Electric Motor
- Ventilated Aluminum Body
- $\frac{1}{4}$ inch Capacity Chuck
- Thrust Ball Bearings

A Ball-Bearing Electric Hand Drill for only \$13.65! You can't afford to be longer without its time-saving convenience! Ball bearings mean far longer service—smoother, cooler running—and big drill reliability!

All its other features are just as outstanding. Drills within $\frac{1}{8}$ inch of each other—easy to use in tight quarters. Well ventilated aluminum alloy case is strong and light weight. Genuine Almond drill chuck for straight shank drills, with locking key. Will not stall with maximum drill specified. Improved pistol grip handle.

Completely enclosed toggle switch in body. For any fit to 120-volt current. 10-ft. rubber cord and unbreakable plug. Ship. wt. 5 lbs.

84 LR 1034—POWR-KRAFT Ball-Bearing Electric Hand Drill...\$14.95



\$14.95

Priced for
the Small Shop
Built for
Prolonged Service



General Electric Motors

The G. E. Symbol always indicates highest quality in electric appliances. In selecting this motor, Wards further assure you of reliable performance.



Almond and Jacobs Chucks

These nationally famous Chucks are known to every artisan as the best designed, most serviceable to be had. That's why we have chosen them for Powr-Kraft tools.



23.95



39.95



For
WARDS'
EASY
PAYMENTS
See Page 3

For General Use

High-grade Drill with dependable features at a money-saving price! Heavy duty pistol-grip style. Aluminum alloy case—well ventilated—for light weight and easy handling. Genuine New Departure Lubri-Seal Ball Bearings on Armature and spindle make it quiet, and cool running; assure long service. Nationally known General Electric motor won't stall when used with capacity size drill. Powerful grip Jacobs chuck for straight shank drills, with locking key. Start-run-and-stop switch. Heavy rubber cord, unbreakable plug.



Electric Drill-Stand

Converts hand drill to bench drill. Clearance: Base to chuck 17 in.; bit to column 7 in. Ship. wt. 70 lbs.

**184 LR 1049—
Each \$16.45**

For Big Shop and Garage

Will not stall with capacity size drills. Extra heavy duty for heavy frame and body work. General Electric motor—Jacobs key chuck combination great power and hand grip. Heavy New Departure bearing armature—quiet, fast. Sizes $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ in. shipped from factory in Central Indiana; all others from stock.

Article Number	Size In.	Spline Speed No. Load	Ship. Wt. Lbs.	Cash Price	Spline Speed		Ship. Wt. Lbs.	Cash Price
					No.	Full Load		
584 LR 1039	$\frac{1}{4}$	1000	1300	10	560	325	20	\$39.95
584 LR 1040	$\frac{1}{4}$	1300	900	11	475	300	21	49.95
					425	275	22	54.95

POWR-KRAFT ACCESSORIES

Circular Rip Saws

84 LR 282—Identical in material to crosscut saws above. State diam. and size hole.

Dia. In.	Gauge	Size In.	Ship. Wt. Oz.	Each
6	18	16	10	\$0.95
7	18	16	12	1.15
8	18	16	14	1.45

Circular Crosscut Saws

84 LR 281—Special annular Steel. Clean cutting—will not bind or buckle. State diam. and size hole.

Dia. In.	Gauge	Size In.	Ship. Wt. Oz.	Each
6	18	16	10	\$0.95
7	18	16	12	1.15
8	18	16	14	1.45

Combination Rip and Crosscut Mitre Saws

84 LR 283—Hollow Ground. Choice of 3 gauges. State diam. and size hole.

Dia. In.	Gauge	Size In.	Ship. Wt. Oz.	Each
6	16 to 19	16 in.	10 oz.	\$2.79
7	15 to 18	14 in.	12 oz.	3.66
8	15 to 18	16 in.	14 oz.	3.98

DADO HEADS

84 LR 754—Complete—head for grooving, rabbeting, mortising and tenoning. Two 4-in. outside saws, six inside chippers. Capacity 3 1/4 in. Ship. wt. 12 oz. \$3.45

84 LR 716—Outside saws for dado head, 4 or 5 1/4-in. sizes. Ship. wt. 4 or 4 1/4-in. Each \$0.79 5-inch Each 1.00

84 LR 755—Inside chippers for dado head, 4 or 5 1/4-in. sizes. Ship. wt. 2 oz. Each 4-inch \$0.29 5-inch Each39

Sturdy Pressed Steel V-PULLEYS

84 LR 785—Single type. Extra pulleys of efficient design and good materials for use in connecting tools to line shaft. State size and bore wanted.

Dia. In.	Bore In.	Bore In.	Ship. Wt. Oz.	Each
1 1/2	1/2	1/2	4	.20c
1 1/2	1/2	1/2	4	.20c
1 1/2	1/2	1/2	5	.20c
2	1/2	1/2	7	.20c
2 1/4	1/2	1/2	8	.25c
2 1/4	1/2	1/2	8	.25c
3	1/2	1/2	10	.30c
4	1/2	1/2	13	.35c
5 1/4	1/2	1/2	1	.55c
6	1/2	1/2	2	.70c
8	1/2	1/2	12	\$1.00

Rubber V-BELTS

Available in five convenient lengths in both 3/8 and 1/2-in. widths. Reinforced red rubber outer covering gives long wear and prevents slippage. The core of tough cord fabric gives great strength and holds stretch to a minimum.



23-in. 50¢



Article Number	Size In.	Ship. Wt. Oz.	Each	Article Number	Size In.	Ship. Wt. Oz.	Each
84 LR 783	3/8 by 23	3 oz.	.50c	84 LR 833	1/2 by 30	3 oz.	\$0.35
84 LR 794	3/8 by 31	4 oz.	.50c	84 LR 834	1/2 by 42	4 oz.	.75
84 LR 795	3/8 by 34	4 oz.	.50c	84 LR 835	1/2 by 50	5 oz.	.85
84 LR 796	3/8 by 43	5 oz.	.75c	84 LR 836	1/2 by 62	5 oz.	1.10
84 LR 797	3/8 by 58	5 oz.	\$1.00	84 LR 837	1/2 by 72	6 oz.	1.35

\$1.25



Work Arbor with Chuck

For use on motor or grinder shafts, or with flexible shaft for grinding, polishing, buffing and drilling. Made of high grade steel. With 5 1/2-in. adapter for shaft. Takes up to 1/2-lb.

84 LR 738—Ship. wt. 1 lb....\$1.25



Shaft Coupling

3/8-inch steel collar with two set screws for coupling together lengths of shafting to make line shaft.

84 LR 737—Ship. wt. 4 oz....\$.30c

STEEL SHAFTING 36-in. 40¢

Cold rolled steel rods for line shafting. About 36 in. lengths. 3/8-in. diameter. Distributes power from a motor anywhere on your bench. 3/8 LR 798—Ship. wt. 2 lbs. 4 oz. \$0.40c



Bronze Shaft - Hanger

Base, revolving pedestal and bronze bearings hold shaft horizontal, whether base is set true or not. 84 LR 799—Ship. wt. 1 lb. Each \$1.80

4-STEP PULLEY

Dye-cut, 4-step pulley. Changing speeds by changing belt from one step to another. 13% by 4 inches. M-in. bore. Each \$0.50c

84 LR 792—Ship. wt. 1 lb. 3 oz. Each \$0.50c

POWR-KRAFT FRET SAW BLADES

Plain end blades for use with light or heavy duty jig saws. Malleable.

Art. No.	Size In.	Teeth Per In.	Ship. Wt. Oz.	Plg. of 8
84 LR 507	.007 by 5	22	1	20c
505	.012 by 5	18	1	20c
84 LR 510	.010 by 5	18	1	20c
506	.015 by 5	16	1	20c
84 LR 510	.010 by 5	18	1	20c
507	.016 by 5	16	1	20c
84 LR 510	.010 by 5	18	1	20c

JIG SAW BLADES

84 LR 784—Plain end blades for wood or metal. 5 by 3/16-in. thick, 10 teeth to the inch. Ship. wt. 2 oz. Dozen..... \$0.20c

15 teeth to the inch. Dozen..... \$0.20c

84 LR 774—Plain end blades 3/16-in. long; .014-in. thick; .04-in. wide. Ship. wt. 1 oz. Per dozen..... \$0.40c

SABER SAW BLADES

84 LR 569—For metal or wood. Package of 2 blades made up of two 1/4 by 4 1/2-in. blades with 7 teeth to the inch, two 5/32 by 4 1/2-in. with 10 teeth to the inch, three 1/8 by 4 1/2-in. with 15 teeth to the inch, and two 1/4 by 4 1/2-in. with 20 teeth to the inch. Ship. wt. 3 oz. \$0.40c



BAND SAW BLADES 89¢

Made of tungsten steel, hard yet flexible, correctly tempered. Extremely flexible. Held cutting edges indefinitely.

FOR 8-INCH BAND SAW

84 LR 164—Sizes 3/16-inch, 1/4-inch, 5/16-inch, 3/8-inch, 7/16-inch, 1/2-inch, 9/16-inch, 5/8-inch, 11/16-inch, 3/4-inch, 13/16-inch, 7/8-inch, 15/16-inch, 17/16-inch, 19/16-inch, 21/16-inch, 23/16-inch, 25/16-inch, 27/16-inch, 29/16-inch, 31/16-inch, 33/16-inch, 35/16-inch, 37/16-inch, 39/16-inch, 41/16-inch, 43/16-inch, 45/16-inch, 47/16-inch, 49/16-inch, 51/16-inch, 53/16-inch, 55/16-inch, 57/16-inch, 59/16-inch, 61/16-inch, 63/16-inch, 65/16-inch, 67/16-inch, 69/16-inch, 71/16-inch, 73/16-inch, 75/16-inch, 77/16-inch, 79/16-inch, 81/16-inch, 83/16-inch, 85/16-inch, 87/16-inch, 89/16-inch, 91/16-inch, 93/16-inch, 95/16-inch, 97/16-inch, 99/16-inch, 101/16-inch, 103/16-inch, 105/16-inch, 107/16-inch, 109/16-inch, 111/16-inch, 113/16-inch, 115/16-inch, 117/16-inch, 119/16-inch, 121/16-inch, 123/16-inch, 125/16-inch, 127/16-inch, 129/16-inch, 131/16-inch, 133/16-inch, 135/16-inch, 137/16-inch, 139/16-inch, 141/16-inch, 143/16-inch, 145/16-inch, 147/16-inch, 149/16-inch, 151/16-inch, 153/16-inch, 155/16-inch, 157/16-inch, 159/16-inch, 161/16-inch, 163/16-inch, 165/16-inch, 167/16-inch, 169/16-inch, 171/16-inch, 173/16-inch, 175/16-inch, 177/16-inch, 179/16-inch, 181/16-inch, 183/16-inch, 185/16-inch, 187/16-inch, 189/16-inch, 191/16-inch, 193/16-inch, 195/16-inch, 197/16-inch, 199/16-inch, 201/16-inch, 203/16-inch, 205/16-inch, 207/16-inch, 209/16-inch, 211/16-inch, 213/16-inch, 215/16-inch, 217/16-inch, 219/16-inch, 221/16-inch, 223/16-inch, 225/16-inch, 227/16-inch, 229/16-inch, 231/16-inch, 233/16-inch, 235/16-inch, 237/16-inch, 239/16-inch, 241/16-inch, 243/16-inch, 245/16-inch, 247/16-inch, 249/16-inch, 251/16-inch, 253/16-inch, 255/16-inch, 257/16-inch, 259/16-inch, 261/16-inch, 263/16-inch, 265/16-inch, 267/16-inch, 269/16-inch, 271/16-inch, 273/16-inch, 275/16-inch, 277/16-inch, 279/16-inch, 281/16-inch, 283/16-inch, 285/16-inch, 287/16-inch, 289/16-inch, 291/16-inch, 293/16-inch, 295/16-inch, 297/16-inch, 299/16-inch, 301/16-inch, 303/16-inch, 305/16-inch, 307/16-inch, 309/16-inch, 311/16-inch, 313/16-inch, 315/16-inch, 317/16-inch, 319/16-inch, 321/16-inch, 323/16-inch, 325/16-inch, 327/16-inch, 329/16-inch, 331/16-inch, 333/16-inch, 335/16-inch, 337/16-inch, 339/16-inch, 341/16-inch, 343/16-inch, 345/16-inch, 347/16-inch, 349/16-inch, 351/16-inch, 353/16-inch, 355/16-inch, 357/16-inch, 359/16-inch, 361/16-inch, 363/16-inch, 365/16-inch, 367/16-inch, 369/16-inch, 371/16-inch, 373/16-inch, 375/16-inch, 377/16-inch, 379/16-inch, 381/16-inch, 383/16-inch, 385/16-inch, 387/16-inch, 389/16-inch, 391/16-inch, 393/16-inch, 395/16-inch, 397/16-inch, 399/16-inch, 401/16-inch, 403/16-inch, 405/16-inch, 407/16-inch, 409/16-inch, 411/16-inch, 413/16-inch, 415/16-inch, 417/16-inch, 419/16-inch, 421/16-inch, 423/16-inch, 425/16-inch, 427/16-inch, 429/16-inch, 431/16-inch, 433/16-inch, 435/16-inch, 437/16-inch, 439/16-inch, 441/16-inch, 443/16-inch, 445/16-inch, 447/16-inch, 449/16-inch, 451/16-inch, 453/16-inch, 455/16-inch, 457/16-inch, 459/16-inch, 461/16-inch, 463/16-inch, 465/16-inch, 467/16-inch, 469/16-inch, 471/16-inch, 473/16-inch, 475/16-inch, 477/16-inch, 479/16-inch, 481/16-inch, 483/16-inch, 485/16-inch, 487/16-inch, 489/16-inch, 491/16-inch, 493/16-inch, 495/16-inch, 497/16-inch, 499/16-inch, 501/16-inch, 503/16-inch, 505/16-inch, 507/16-inch, 509/16-inch, 511/16-inch, 513/16-inch, 515/16-inch, 517/16-inch, 519/16-inch, 521/16-inch, 523/16-inch, 525/16-inch, 527/16-inch, 529/16-inch, 531/16-inch, 533/16-inch, 535/16-inch, 537/16-inch, 539/16-inch, 541/16-inch, 543/16-inch, 545/16-inch, 547/16-inch, 549/16-inch, 551/16-inch, 553/16-inch, 555/16-inch, 557/16-inch, 559/16-inch, 561/16-inch, 563/16-inch, 565/16-inch, 567/16-inch, 569/16-inch, 571/16-inch, 573/16-inch, 575/16-inch, 577/16-inch, 579/16-inch, 581/16-inch, 583/16-inch, 585/16-inch, 587/16-inch, 589/16-inch, 591/16-inch, 593/16-inch, 595/16-inch, 597/16-inch, 599/16-inch, 601/16-inch, 603/16-inch, 605/16-inch, 607/16-inch, 609/16-inch, 611/16-inch, 613/16-inch, 615/16-inch, 617/16-inch, 619/16-inch, 621/16-inch, 623/16-inch, 625/16-inch, 627/16-inch, 629/16-inch, 631/16-inch, 633/16-inch, 635/16-inch, 637/16-inch, 639/16-inch, 641/16-inch, 643/16-inch, 645/16-inch, 647/16-inch, 649/16-inch, 651/16-inch, 653/16-inch, 655/16-inch, 657/16-inch, 659/16-inch, 661/16-inch, 663/16-inch, 665/16-inch, 667/16-inch, 669/16-inch, 671/16-inch, 673/16-inch, 675/16-inch, 677/16-inch, 679/16-inch, 681/16-inch, 683/16-inch, 685/16-inch, 687/16-inch, 689/16-inch, 691/16-inch, 693/16-inch, 695/16-inch, 697/16-inch, 699/16-inch, 701/16-inch, 703/16-inch, 705/16-inch, 707/16-inch, 709/16-inch, 711/16-inch, 713/16-inch, 715/16-inch, 717/16-inch, 719/16-inch, 721/16-inch, 723/16-inch, 725/16-inch, 727/16-inch, 729/16-inch, 731/16-inch, 733/16-inch, 735/16-inch, 737/16-inch, 739/16-inch, 741/16-inch, 743/16-inch, 745/16-inch, 747/16-inch, 749/16-inch, 751/16-inch, 753/16-inch, 755/16-inch, 757/16-inch, 759/16-inch, 761/16-inch, 763/16-inch, 765/16-inch, 767/16-inch, 769/16-inch, 771/16-inch, 773/16-inch, 775/16-inch, 777/16-inch, 779/16-inch, 781/16-inch, 783/16-inch, 785/16-inch, 787/16-inch, 789/16-inch, 791/16-inch, 793/16-inch, 795/16-inch, 797/16-inch, 799/16-inch, 801/16-inch, 803/16-inch, 805/16-inch, 807/16-inch, 809/16-inch, 811/16-inch, 813/16-inch, 815/16-inch, 817/16-inch, 819/16-inch, 821/16-inch, 823/16-inch, 825/16-inch, 827/16-inch, 829/16-inch, 831/16-inch, 833/16-inch, 835/16-inch, 837/16-inch, 839/16-inch, 841/16-inch, 843/16-inch, 845/16-inch, 847/16-inch, 849/16-inch, 851/16-inch, 853/16-inch, 855/16-inch, 857/16-inch, 859/16-inch, 861/16-inch, 863/16-inch, 865/16-inch, 867/16-inch, 869/16-inch, 871/16-inch, 873/16-inch, 875/16-inch, 877/16-inch, 879/16-inch, 881/16-inch, 883/16-inch, 885/16-inch, 887/16-inch, 889/16-inch, 891/16-inch, 893/16-inch, 895/16-inch, 897/16-inch, 899/16-inch, 901/16-inch, 903/16-inch, 905/16-inch, 907/16-inch, 909/16-inch, 911/16-inch, 913/16-inch, 915/16-inch, 917/16-inch, 919/16-inch, 921/16-inch, 923/16-inch, 925/16-inch, 927/16-inch, 929/16-inch, 931/16-inch, 933/16-inch, 935/16-inch, 937/16-inch, 939/16-inch, 941/16-inch, 943/16-inch, 945/16-inch, 947/16-inch, 949/16-inch, 951/16-inch, 953/16-inch, 955/16-inch, 957/16-inch, 959/16-inch, 961/16-inch, 963/16-inch, 965/16-inch, 967/16-inch, 969/16-inch, 971/16-inch, 973/16-inch, 975/16-inch, 977/16-inch, 979/16-inch, 981/16-inch, 983/16-inch, 985/16-inch, 987/16-inch, 989/16-inch, 991/16-inch, 993/16-inch, 995/16-inch, 997/16-inch, 999/16-inch, 1001/16-inch, 1003/16-inch, 1005/16-inch, 1007/16-inch, 1009/16-inch, 1011/16-inch, 1013/16-inch, 1015/16-inch, 1017/16-inch, 1019/16-inch, 1021/16-inch, 1023/16-inch, 1025/16-inch, 1027/16-inch, 1029/16-inch, 1031/16-inch, 1033/16-inch, 1035/16-inch, 1037/16-inch, 1039/16-inch, 1041/16-inch, 1043/16-inch, 1045/16-inch, 1047/16-inch, 1049/16-inch, 1051/16-inch, 1053/16-inch, 1055/16-inch, 1057/16-inch, 1059/16-inch, 1061/16-inch, 1063/16-inch, 1065/16-inch, 1067/16-inch, 1069/16-inch, 1071/16-inch, 1073/16-inch, 1075/16-inch, 1077/16-inch, 1079/16-inch, 1081/16-inch, 1083/16-inch, 1085/16-inch, 1087/16-inch, 1089/16-inch, 1091/16-inch, 1093/16-inch, 1095/16-inch, 1097/16-inch, 1099/16-inch, 1101/16-inch, 1103/16-inch, 1105/16-inch, 1107/16-inch, 1109/16-inch, 1111/16-inch, 1113/16-inch, 1115/16-inch, 1117/16-inch, 1119/16-inch, 1121/16-inch, 1123/16-inch, 1125/16-inch, 1127/16-inch, 1129/16-inch, 1131/16-inch, 1133/16-inch, 1135/16-inch, 1137/16-inch, 1139/16-inch, 1141/16-inch, 1143/16-inch, 1145/16-inch, 1147/16-inch, 1149/16-inch, 1151/16-inch, 1153/16-inch, 1155/16-inch, 1157/16-inch, 1159/16-inch, 1161/16-inch, 1163/16-inch, 1165/16-inch, 1167/16-inch, 1169/16-inch, 1171/16-inch, 1173/16-inch, 1175/16-inch, 1177/16-inch, 1179/16-inch, 1181/16-inch, 1183/16-inch, 1185/16-inch, 1187/16-inch, 1189/16-inch, 1191/16-inch, 1193/16-inch, 1195/16-inch, 1197/16-inch, 1199/16-inch, 1201/16-inch, 1203/16-inch, 1205/16-inch, 1207/16-inch, 1209/16-inch, 1211/16-inch, 1213/16-inch, 1215/16-inch, 1217/16-inch, 1219/16-inch, 1221/16-inch, 1223/16-inch, 1225/16-inch, 1227/16-inch, 1229/16-inch, 1231/16-inch, 1233/16-inch, 1235/16-inch, 1237/16-inch, 1239/16-inch, 1241/16-inch, 1243/16-inch, 1245/16-inch, 1247/16-inch, 1249/16-inch, 1251/16-inch, 1253/16-inch, 1255/16-inch, 1257/16-inch, 1259/16-inch, 1261/16-inch, 1263/16-inch, 1265/16-inch, 1267/16-inch, 1269/16-inch, 1271/16-inch, 1273/16-inch, 1275/16-inch, 1277/16-inch, 1279/16-inch, 1281/16-inch, 1283/16-inch, 1285/16-inch, 1287/16-inch, 1289/16-inch, 1291/16-inch, 1293/16-inch, 1295/16-inch, 1297/16-inch, 1299/16-inch, 1301/16-inch, 1303/16-inch, 1305/16-inch, 1307/16-inch, 1309/16-inch, 13

FOR YOUR WORK SHOP



\$1.50
6 in.

Lathe Face Plate
6 inches in diam. Cast iron; machined to extra smoothness. Threaded to fit POWER-KRAFT Heavy Duty Lathe. Convenient holes and slots for mounting work.
84 LR 749—Shipping weight 2 lb. 12 oz. Each.....\$1.50



TOOL RESTS

75¢
4-in.

Cast Iron; top surface ground; upright ground round. 18-inch rest with two uprights. For heavy lathe.

84 LR 739—Ship. size.

Size In. 4 12 18
Ship. wt. 1 lb. 3 lb. 5 lbs.
Each 75¢ \$1.00 \$1.50



\$1.50

WOOD TURNING CHISEL SET

84 LR 805—Complete wood turning set consisting of 3/8-inch skew point, 1/2-inch turning gauge and 1/2-inch gear point. Hardwood handles with metal ferrules. Length of blades about 4 inches. Shipping weight 10 ounces. Per set of three.....\$1.50
84 LR 731—Speckpoint chisel. Shipping weight 4 ounces. Each.....50¢
84 LR 732—Turning gauge. Shipping weight 5 ounces. Each.....50¢
84 LR 733—Skew point. Shipping weight 3 ounces. Each.....50¢



Pure Shellac
\$1.75
A Gal.
ORANGE

Four pounds cut pure gum shellac. Excellent first coat for any wood that is to be varnished. Seals all pores and dries quickly with a hard surface. Clear Shellac will retain the natural color of wood. Orange Shellac gives a darker finish. Gallon covers 400 sq. ft., one coat. Thin only with denatured alcohol.

Ship. wt. 10 oz., 1 lb. 5 oz., 2 lbs. 12 oz., and 9 lbs. Ship. size.

Art. No.	Size	White (Clear)	Orange
75 LR 8675	1 pt.	\$0.15	\$0.12
75 LR 8676	1 pt.	.35	.29
75 LR 8677	1 qt.	.55	.50
75 LR 8679	1 gal.	1.95	1.75

PASTE WOOD FILLER

For all open grained hardwoods. Seals pores and gives good surface for varnishing. Dries fast. 40 oz. 1 pt. Colors: Light Oak, Dark Oak or Golden Oak. State color. Ship. wt. 1 lb. 8 oz., 6 lbs. and 12 lbs.

75 LR 8210—1 pound.....19¢

75 LR 8211—5 pounds.....59¢

75 LR 8212—10 pounds.....\$1.10

PATCHING WOOD

Wood in paste form for filling cracks and holes. Molds to any shape and can be sawed like wood when dry. Ship. wt. 9 oz., 9 oz., 9 oz. and 1 lb.

75 LR 8296—3-oz. tube.....21¢

75 LR 8295—4-oz. can.....23¢

75 LR 8297—5-oz. can.....39¢



Utility Brush
Certified Quality. Pure Chinese
Bristles in guaranteed setting.

Art. No.	Width	Bristl. Wt.	Ship. wt.
75 LR 671	1 in.	2 1/2 in. 1 oz.	12¢
75 LR 672	1 1/4 in.	2 1/2 in. 3 oz.	18¢
75 LR 673	2 in.	2 1/2 in. 4 oz.	26¢

Tool Rest HOLDER

Cast Iron; machined to fit top of lathe. Fastens to lathe bed by means of bolt and wing wheel. Hole for holding rest is drilled out and fitted with wing screw. Length.....85¢
84 LR 713—Shipping weight 5 lbs. Each.....85¢



85¢

Cup Center

Machined, hardened steel, No. 2 Morse Taper shank to fit socket in tail stock of Heavy Duty Lathe. Collar prevents point from working too far into stock.
84 LR 706—Ship. wt. 6 oz.89¢



89¢

Spur Center

Machined, hardened steel, No. 2 Morse Taper shank to fit headstock of Heavy Duty lathe.

84 LR 707—Ship. wt. 6 oz.\$1.00



89¢

Aluminum SANDING DISC

Cast aluminum Sanding Disc for use with flexible shaft or to convert bench saw into sander. Outer diameter 6 inches. 3/4-inch threaded hole, 7/8 bore for heavy duty Bench Saw. Ship. size.

84 LR 717—Ship. wt. 7 oz. Each.....79¢

RUBBER DISC

Tough rubber sponge Rubber Pad for use between aluminum disc and sandpaper or sheepskin buffer. 3 1/4 in. thick; 6 in. in diam. 84LR718—Ship. wt. 4 oz. Each.....46¢



Sanding Disc SHEETS

84 LR 719—Set of six discs of catalin board sandpaper; 6 inches in diameter for use with sanding disc. Consists of two sheets each of 240, 100, and 1. Ship. wt. 4 ounces.....25¢

Cloth Buffers

84 LR 6742—For use on flexible shaft or grinder. 18-ply, unbleached muslin. Ship. size.

Diam. In. 4 6 8 10 12
Ship. wt. oz. 15¢ 20¢ 30¢ 35¢ 38¢



Penetrating STAIN

65¢ A qt.
IN COLORS

Words' Penetrating Stain is the same high quality that expert finishers use for their finest work. Brings out the natural beauty of the grain. Can be finished with lacquer, wax or varnish. For best results, we recommend coat of shellac to seal the stain before varnishing. Ship. wt. 1 lb., 8 oz. and 2 lbs. 12 oz. Color wanted.

Light Oak Dark Oak Red Mahogany
Golden Oak Fumed Oak Walnut
75 LR 8130—1/4 pt.28¢
75 LR 8131—1 qt.39¢
575 LR 8132—1 qt.65¢

DRY GLUES

Fine Glues in powder form. Easily prepared. Ship. wt. each, 1 lb. 8 oz.
75 LR 8569—Ground amber glue. Used for sizing walls, etc. 1-lb. pkg.25¢
75 LR 8559—Cold Water Hide Glue. Also used for sizing. 1-lb. pkg.29¢
75 LR 8570—Superior flake, pale amber hide glue. For fine work. 1-lb. pkg.45¢



Steel Wire Wheel SCRATCH BRUSH

84 LR 6743—For use with flexible shaft or grinder. Ship. size. 4-in. diam.; 3/8-in. bore. 35¢. 6-in. diam.; 3/8-in. bore. 45¢. 8-in. diam.; 3/8-in. bore, 60¢.

SHEEPSKIN BUFFER

79¢

High grade sheepskin jacket for applying over sanding disc and rubber pad. Excellent for polishing auto bodies, metal, etc. Fastens with sturdy draw string secured to back of neck. 84 LR 711—Ship. wt. 3 oz.79¢



Sanding Belt 39¢

Endless Sanding Belt for use on POWER-KRAFT Adjustable Belt Sander. Size 30 by 3 in. Three uniform grades: No. 90, No. 6, and No. 4. Sand mounted directly on belt. State number sanding surface wanted. 84 LR 780—Ship. wt. ea. 4 oz.39¢

DRUM SANDPAPER

Heavy sanding bands slip over drums for use with flexible shaft. For smoothing rounded edges or surfaces. Three grades: No. 00, 0, or 1/2. State number sanding surface wanted. 84 LR 703—Ship. wt. 2 oz.10¢



Aluminum and Rubber SANDING DRUMS

84 LR 704—Cast aluminum Sanding Drums for use with flexible shaft. 3 in. long by 2 1/2 in. in diam. Ship. wt. 12 oz.\$1.00
84 LR 709—Rubber jacket fits between aluminum drum and sandpaper band. Ship. wt. 4 oz.36¢

Wards *Lakeside* Vanadium Steel HAMMERS

One of these Hammers will be a true friend for the man who uses a Hammer day after day. Their "hang" and balance is perfect making it easier for the amateur to handle a Hammer like a professional.

Vanadium Steel, the hardest, toughest steel made for hammers. Highly polished; correctly tempered; octagon neck; sure grip claws, tapered corrugated eye, second growth hickory handle with octagon neck securely clinched with two corrugated wedges. Shipping weight 2 pounds.

84 LR 1538—Size 2; 13 oz.
head 95c
84 LR 1541—Size 1 1/2; 16 oz.
head 95c
each \$3.00

95c

Size 2



Handy Grip Screw Drivers



A Bon all-around tool. Polished carbon steel shank, hardened and correctly tempered. Black hardwood handle. Total length,

Blade, in. 3 4 6 8 10
Ship. wt. 10 oz. 12 oz. 14 oz. 1 lb. 1 lb. 4 oz.
84 LR 1422—
Each ... 10c 10c 15c 20c 25c

10c
3-in. blade



Pike Oil Stone

For putting a keen working edge on your tools. Size about 8 by 2 by 1 inch. Shipping weight 1 lb. 8 oz.
84 LR 2468 ... 75c

Square Head Nail Set

84 LR 1119—Tempered Steel with knurled grip. Set of 4. Sizes: 1/4, 1/2, 1, 1 1/2 inches. 4 inches long. Shipping weight 10 ounces. Set

55c



Special Chisel Set

Inexpensive set for home workshop. Crucible steel blades 3 inches long. Parkerized finish with polished beveled edges. Leather tipped hardwood handles. Sizes 1/4, 1/2, 3/4 and 1 inch. Ship. wt. 4 lbs.
84 LR 824—Set of 4

\$2.00



Ward's *Lakeside* UTILITY LEVEL

One plumb and one level protected by glass discs. Selected waterproof Sugar Pine. Shipping weight 2 pounds.
84 LR 2057—28-in. length 75c



Sold under nationally known maker's name for much more. Lens are made of crucible steel, well shaped and finely tempered. Sizes 4.

Size	Ship. Wt.	84 LR 2614 Divider	84 LR 2615 Outside Caliper	84 LR 2612 Inside Caliper
4-in.	5 oz.	65c	80c	80c
6-in.	7 oz.	75c	75c	75c
8-in.	8 oz.	85c	85c	85c

For information on Wards' EASY PAYMENT PLAN
see Page 3.

Cabinet Clamp Attachment

Fits wood bar 1 1/4 to 2 1/2 inches any length. Sliding head 1 3/4 inches square.
Ship. wt. 4 lbs.
84 LR 698c **95c**

Steel Bar Clamps

Flat steel bar 1 1/4 by 1 1/4 in. Ship. wt. 10 lbs. and 11 lbs.
84 LR 1910—Slide length, Length ... 3-ft. 4-ft.
Each \$1.75 \$2.25
Pult ... 3-23 4-23

Woodworker's Vise

10-inch front jaw, faced with maple; opens to 10 in. Cold rolled steel screw and guides. Hardwood handles. Wood screws included. Ship. wt. 16 lbs.
84 LR 6830 **\$2.85**



Combination Square

Die-cast head, black enameled. Level glass and scriber. Graduated to 10ths on one side, 3/16ths on other. Ship. wt. 1 lb.
84 LR 2529—12-in. complete \$1.00

6 ft. Long. Polished steel case. Repaired in a second. For straight work of cylinders.
84 LR 2045—Ship. wt. 3 oz. \$1.00



Carpenters' Pencil
84 LR 1797—7-in. long. Soft and hard. Size choice. Ship. wt. 1 oz. Each 5c
Dozen 55c



Copper Plated Steel Bench Oilers

84 LR 7644—1/4 pint capacity. Shipping weight 2 ounces.
Each 9c



Handy Sand-paper Assortment

Size 4 1/2 by 5 inches. Shipping weight, per carton 4 oz.
84 D 2404—Sandpaper, 20 sheets assorted 10c



Folding Rule

Select maple, white enamel, el. finish. First metal joints. Graduations to 1/16 in. Made in U.S.A.
Ship. wt. 6 oz.
84 LR 1847—Each 15c

PACKAGE WOOD



Solid Walnut and Gum Plywood

These convenient packages of high grade lumber are just the thing for every home workshop. The sizes are ideally suited for turning legs or making table tops, shelves, drawers and many other practical purposes. Walnut is clear both sides. Gum plywood is sound both sides. Smoothly sanded and will take a fine finish. Ship. wt. 15.7, 6 and 16 lbs.
74 LR 32—5 pieces clear Walnut sanded two sides, 12 in. thick, 30 in. long. Total width of all pieces is 30 in. \$3.15

74 LR 33—4 pieces clear Walnut sanded four sides. Each piece 2 in. thick, 2 in. wide and 30 in. long. Per bundle \$1.70

74 LR 34—3 pieces Gum plywood sanded both sides. Each piece 3 in. thick, 18 in. wide and 24 in. long. Per bundle \$1.65

74 LR 35—2 pieces Gum plywood sanded both sides. Each piece 3 in. thick, 18 in. wide and 30 in. long. Per bundle \$1.85

Factory near Chicago

1½ MILLION Starts and Stops!

THE TOUGHEST TEST EVER GIVEN WARDS
LITTLE GIANTS WITHSTOOD IT *Without a Miss!*

LITTLE GIANT Split Phase Motors

These are big-husky oversize Motors, built to handle tough jobs where ordinary motors would stall or burn out. Note features at right—built to last lifetime... No wonder Wards Little Giant Motors stood up under the grueling test of 1,500,000 continuous starts and stops under full load—a test equivalent to over 100 years of starting and stopping service. Split-Phase Motors are designed for machines that start reasonably easy. (Once they are started they will pull equally as heavy a load as a Repulsion-Induction Motor of same size.) They are not suitable for water pumps or air compressors. 2-in. grooved pulley—10 feet rubber cord. All sizes 1725 R.P.M. Rotation Easily Reversible.

\$7 95
1/2 H.P.

LITTLE GIANT Repulsion Induction Motors

\$12 95
1/2 H.P.

Giants for Power. Especially adapted for heavy starting jobs like water systems, air compressors and cream separators. Large overload capacity, they will actually start at over 300% of their rated capacity; for example, the ½ H.P. will, while starting, become a 1½ H.P.—and when under way become a ½ H.P. Absolutely no radio interference. Sturdy cast metal frames keep bearings permanently in line. Connect these motors direct to the line—no starter needed. Conduit Box as shown on ½ H.P. and larger only. Speed 1725 R.P.M. First three sizes *Mailable*; others *Not Mailable*. Nos. 463 LR 915 to 463 LR 920 Shipped from Stock; others from Factory in Dayton, Ohio.

3450 R. P. M. ½ H. P.

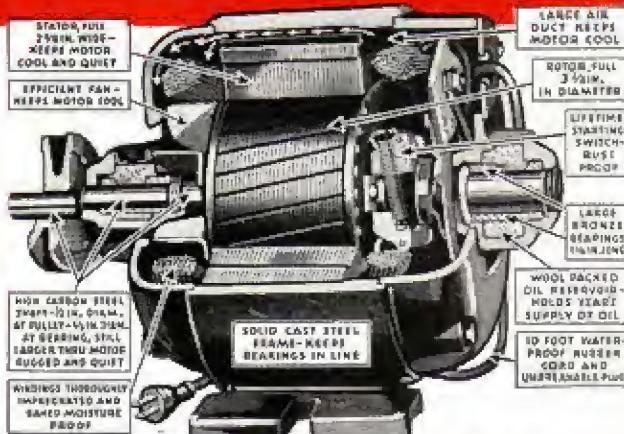
REPULSION—INDUCTION

Specially for woodworking machinery where a husky, high speed motor is needed. A real Repulsion-Induction Motor that holds its speed at full load. Ball bearings, switch on motor, double shaft (½ in. diam. at pulley), 10 ft. cord. For 110 volt, 60 cycle A.C. Different in appearance from motors pictured above. Shipped from factory in Central Wisconsin. Ship. wt., 36 lbs. *Mailable*. 263 LR 612 Cash price.....\$17.95

ESTIMATED FREIGHT CHARGES

Per 100 lbs.

No. Miles	150	300	500	750	1000
Motors	\$84	\$125	\$169	\$233	\$284
Tools	.71	1.06	1.44	2.01	2.42



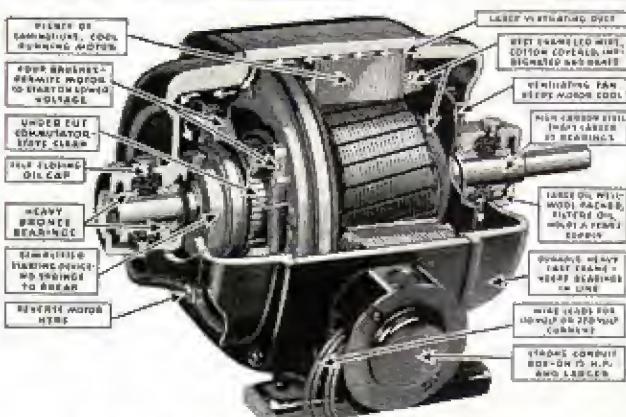
H.P.	Voltage	Cycles	With Ball Bearings		Sleeve Bearings		Ship. Wt.
			Arl. No.	Price	Arl. No.	Price	
½	110-A.C.	60	463 LR 650	\$ 8.95	463 LR 600	\$ 7.95	30 lbs.
½	110-A.C.	60	463 LR 660*	9.95	463 LR 610	8.95	
½	33-Volt	12-C.	463 LR 665	14.95	-----	-----	30 lbs.
½	110-Volt	D.C.	463 LR 666	14.95	-----	-----	28 lbs.

*Motor No. 463 LR 660 is double shaft and has no pulleys.

SPECIAL VALUE SPLIT PHASE MOTOR

A dependable ½ H.P. Motor at a low price. Not the equal of our Little Giant Motors above, but entirely suitable for most easy starting jobs. Slightly different appearance from above. For 110 volt 60 cycle A.C. 1725 R.P.M. No cord or plug. Ship. wt. 27 lbs. 463 LR 199—Each

\$6.45



For 110 or 220 Volt, 60 Cycle Single Phase A.C. Only

BUY MOTORS ON EASY PAYMENTS

H. P.	Shaft	Ship. Wt.	With Sleeve Bearings		Equal Payment Price	Down Pmt.	Mony. Pmt.
			Arcl. No.	Cash Price			
½	16 lbs.	32 lbs.	463 LR 915	\$12.95	-----	-----	-----
½	16 lbs.	39 lbs.	463 LR 916	15.75	-----	-----	-----
½	16 lbs.	65 lbs.	463 LR 917	19.50	-----	-----	-----
½	16 lbs.	71 lbs.	463 LR 918	20.25	-----	-----	-----
½	16 lbs.	83 lbs.	463 LR 919	34.75	\$28.85	\$3.00	\$4.00
1	16 lbs.	134 lbs.	463 LR 920	44.95	40.75	4.00	5.00
1½	1 in.	170 lbs.	263 LR 921	54.75	51.95	5.60	5.80
2½	1 in.	197 lbs.	263 LR 922	73.75	81.25	7.00	7.50
4½	1 ½ in.	240 lbs.	263 LR 923	105.00	115.50	10.00	9.50

*Make sure your Power Company will permit use of 2, 3 or 5 H.P. Motors before ordering.

The biggest NEWS of the year



"COMMON SENSE"

Actual Size

BLUE PRINTS

**Save Time—Easier To Use
Than Old Fashioned Scaled Prints**

TIME saving—accurate—a big help for the home workshop! At last you can be free of the tedious, unnecessary scaling-up of "toy size" blue prints! It was only "common-sense" to make blue prints FULL SIZE! Every Home Crafter has always thought so—but it took Wards, always the leader in home workshop equipment, to step out and again lead the way.

Now you can go right to work "making things" without any preliminary figuring, re-scaling and laying-out of your projects. You can start with a blue print that looks like the project—and finish with a project that looks exactly like the blue print! Over 100 to choose from. And all priced less than usually asked for the former little prints.

Naturally, Wards' "actual size" Blue Prints are easier to work from—they're easier to read. Order "Common Sense" Blue Prints—save time and energy, and have a better finished job. Avg. ship. wt. 3 oz.

84 LR 590—3-shelf Wall Bracket—Sawed and shaped	\$.25	84 LR 616—Butterfly Table . . . . .	.75
84 LR 591—Flower Hanger . . . . .	.15	84 LR 618—Pie Cabinet . . . . .	.35
84 LR 592—Ornamental Clock Shelf—Band sawed . . . . .	.25	84 LR 619—3-Hurd House . . . . .	.35
84 LR 593—3-shelf Flat Wall Bracket—Band sawed and shaped . . . . .	.20	84 LR 620—How to Saw Furniture Legs . . . . .	.25
84 LR 594—Letter Rack—Jig sawed or routed . . . . .	.25	84 LR 621—Sewing Table . . . . .	.30
84 LR 595—Cat. The Rack . . . . .	.15	84 LR 622—American Empire Card Table . . . . .	.75
84 LR 596—Scroll Vase Shelf or Wall Bracket . . . . .	.25	84 LR 623—Tea Table . . . . .	.30
84 LR 597—3-Shelf Stem and Leaf Corner Bracket or Hanging Book Shelf . . . . .	.25	84 LR 624—Gothic Chest . . . . .	.35
84 LR 598—Magazine Rack . . . . .	.25	84 LR 625—Spinney Desk	1.00
84 LR 599—Book Ends . . . . .	.15	84 LR 626—Four-Poster Bed . . . . .	.75
84 LR 600—Turned Smoker Cabinet . . . . .	.25	84 LR 627—Illustrated Details 18 Flying Model Gulls . . . . .	.25
84 LR 601—Smokers Cabinet . . . . .	.50	84 LR 628—Illustrated Santa Maria Galloons . . . . .	.35
84 LR 602—Ottoman-Turned Lamp . . . . .	.25	84 LR 629—Floor Lamp—Turned and Carved . . . . .	.50
84 LR 603—End Table . . . . .	.35	84 LR 630—Wall Sconce or Candle Holder . . . . .	.25
84 LR 604—Pedestal . . . . .	.35	84 LR 631—Turned Candlesticks . . . . .	.15
84 LR 605—Coffee Table . . . . .	.35	84 LR 632—Illustrations and Instructions on how to do wood turning . . . . .	.25
84 LR 606—Beer Server . . . . .	.15	84 LR 633—Illustrated Instructions on Spindle Carving . . . . .	.30
84 LR 607—Cellar	1.25	84 LR 634—Illustrated Instructions on Wood Routing . . . . .	.40
84 LR 608—Turned Leg Foot Stool . . . . .	.25	84 LR 635—3 Birds for garden or lawn ornaments . . . . .	.15
84 LR 609—Turned Table Lamp . . . . .	.25	84 LR 636—Inlaid Pipe Rock . . . . .	.25
84 LR 610—Turned and Carved Table Lamp . . . . .	.35	84 LR 637—Porch or Hall Lantern—fig carved . . . . .	.25
84 LR 611—Lady Turned Cane Bench . . . . .	.35	84 LR 638—Fireside Bench—Carved . . . . .	.75
84 LR 612—Hanging What-Not . . . . .	.25	84 LR 639—3-Shelf End or Occasional Table . . . . .	.50
84 LR 613—Chippendale Glaze . . . . .	.75		
84 LR 614—Sheraton Gate Leg Table	1.25		
84 LR 615—Ten Table . . . . .	.75		

Over 50 more "Common Sense" Blue Prints. Write for Lit.

